

## DETAILED ACTION

### *Claim Rejections - 35 U.S.C. § 103*

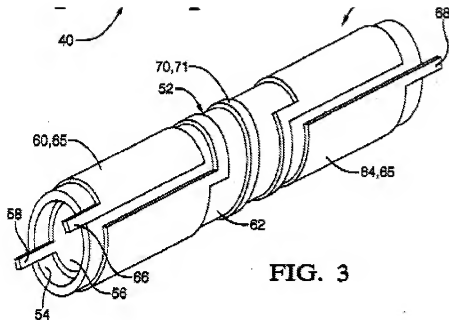
The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-3, 5, 7-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Callewaert et al. [6346865] in view of Smith [6087922].

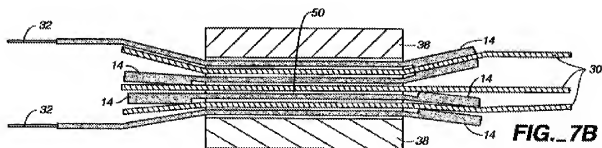
Callwaert discloses a conductor in which plurality of plate portions 60, 65, 64, 65 are connected to each other at portions 70,71 thereof, at least two plate portions formed into coil by winding plate portions around winding core 52; said plate portions to be connected to each other are arranged point-symmetrically about connecting point thereof [see figure 3]; conductor having plural terminals 58,66,68 in position protrude from an area of said plate portions that is wound around the winding core.

Callwaert discloses the invention as claimed except for the conductor but the terminals, having insulated by insulating material layer. Smith discloses insulating foil strip 32 with uninsulating sections 32 [col 10, lines 27-30]. At the time of the invention, it would have been obvious to a person of ordinary skill in the art to use insulation sheet as taught by Smith to the conductor disclosed by Callwaert. The motivation would have been electrically insulate the winding turns from each other. Therefore, it would have been obvious to combine Smith with Callewaert.



**FIG. 3**

With respect to claims 2-3, the connecting portions are used as tap or center-tap as intended use of applicant.



**FIG. 7B**

With respect to claim 5, figure 7b of Smith having laminate of inductor and insulator [col 10, lines 40-44].

With respect to claims 7-8, Callewaert's figure 3 shows the electrode corresponding to a vicinity of a center of the coil.

With respect to claim 9 is rejected for reciting method/step derived from the structure of claim 1 which is rejected above.

*Response to argument*

2. Applicant's arguments with respect to claims 1-3, 5, 7-9, have been considered but are moot in view of the new ground(s) of rejection.

3. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a).

Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anh T. Mai whose telephone number is 571-272-1995. The examiner can normally be reached on 5/4/9 Schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on 571-272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2832

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/ Anh T. Mai/  
Primary Examiner, Art Unit 2832

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